ELSEVIER

Sedimentary Geology 129 (1999) 367–368

Sedimentary Geology

Contents Volume 129, 1999

Research Papers

Using two- and three-dimensional georadar methods to characterize glaciofluvial architecture
M. Beres, P. Huggenberger, A.G. Green and H. Horstmeyer 1

Unmixing relationships as a method of deriving a semi-quantitative terrigenous sediment budget, central Great Barrier Reef lagoon, Australia
A.R. Orpin and K.J. Woolfe 25

Evolution and sulphide mineral occurrences of an incipient nonmarine sedimentary basin, New Zealand
D. Craw and D.A. Chappell 37

Swaley cross-stratification in medium to coarse sandstone produced by oscillatory and combined flows: examples from the Proterozoic Kansapathar Formation, Chhattisgarh Basin, M.P., India
B. Datta, S. Sarkar and A.K. Chaudhuri 51

A review of polyphase karstification in extensional tectonic regimes: Jurassic and Cretaceous examples, Betic Cordillera, southern Spain
J.M. Molina, P.A. Ruiz-Ortiz and J.A. Vera 71

Influence of particle shape and sorting upon sample size estimates for a coarse-grained upland stream
D.J. Milan, G.L. Heritage, A.R.G. Large and C.F. Brunsdon 85

Three-dimensional configuration of a pull-apart basin from high-resolution magnetotelluric profiling: Eumsung Basin (Cretaceous), Korea
W.H. Ryang, S.K. Chough, J.S. Kim and H. Shon 101

Clastic dykes in over-consolidated tills: evidence for subglacial hydrofracturing at Killiney Bay, eastern Ireland
K.F. Rijsdijk, G. Owen, W.P. Warren, D. McCarroll and J.J.M. van der Meer 111

Facies analysis and depositional mechanisms of hydroclastite breccias, Acicastello, eastern Sicily
L.H. Tanner and S. Calvari 127

Distinguishing primary and resedimented vitric volcaniclastic layers in the Burdigalian carbonate shelf deposits in Monferrato (NW Italy)
A. d'Atri, F. Dela Pierre, R. Lanza and R. Ruffini 143

Discussion

Hummocky moraine: sedimentary record of stagnant Laurentide Ice Sheet lobes resting on soft beds — Comment
M.J. Munro-Stasiuk and D.B. Sjogren 165

Hummocky moraine: sedimentary record of stagnant Laurentide Ice Sheet lobes resting on soft beds — Reply
N. Eyles, J.I. Boyce and R.W. Barendregt 169

Book Reviews

Carbonate Ramps, by V.P. Wright and T.P. Burchette (Editors) — J. Martín-Chivelet 173

Carbonate Reservoir Characterization, by F.J. Lucia — N.P. James 174

Special Issue:

AQUIFER SEDIMENTOLOGY

Edited by T. AIGNER, G. TEUTSCH and P. HUGGENBERGER

Preface 177
Introduction to the special issue on aquifer-sedimentology: problems, perspectives and modern approaches
P. Huggenberger and T. Aigner 179
Sedimentology and hydrogeology of two braided stream deposits
M.P. Anderson, J.S. Aiken, E.K. Webb and D.M. Mickelson 187
Sedimentary processes related to the groundwater flows from the Mesozoic Carbonate Aquifer of the Iberian Chain in the Tertiary Ebro Basin, northeast Spain
J.A. Sánchez, P. Coloma and A. Pérez 201
Reservoir and aquifer characterization of fluvial architectural elements: Stubensandstein, Upper Triassic, southwest Germany
J. Hornung and T. Aigner 215
Towards realistic aquifer models: three-dimensional georadar surveys of Quaternary gravel deltas (Singen Basin, SW Germany)
U. Asprion and T. Aigner 281
Relating lithofacies to hydrofacies: outcrop-based hydrogeological characterisation of Quaternary gravel deposits
R. Klingbeil, S. Kleineidam, U. Asprion, T. Aigner and G. Teutsch 299
Influence of petrographic composition/organic matter distribution of fluvial aquifer sediments on the sorption of hydrophobic contaminants
S. Kleineidam, H. Rügner and P. Grathwohl 311
Effects of sedimentary heterogeneity on groundwater flow in a Quaternary pro-glacial delta environment: joining facies analysis and numerical modelling
R. Bersezio, A. Bini and M. Giudici 327

Subject Index Volumes 122–129 345

Author Index Volumes 122–129 363